GOVERNMENT OF INDIA
NON-CONVENTIONAL ENERGY SOURCES
LOK SABHA

UNSTARRED QUESTION NO:1830
ANSWERED ON:03.08.2000
WIND POWER POTENTIAL
ANANTRAO GUDHE

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the total wind power potential in the country and percentage tapped thereof so far, State-wise;

(b) whether the Government have formulated a comprehensive action plan and strategy to tap wind power potential in the country and western coast in particular in collaboration with countries having superior technology for harnessing wind power;

(c) if so, the details of major project under execution and projects recently cleared/under active consideration of the Government; and

(d) details of investment made/proposed by PSUs in power sector and State Electricity Boards State-wise?

Answer

MINISTER OF STATE FOR NON-CONVENTIONAL ENERGY SOURCES (INDEPENDENT CHARGE) (SHRI M. KANNAPPAN)

(a): The gross wind power potential in the country has been estimated at 20,000 MW. The technical potential which depends on available grid capacity is, however, limited to about 9000 MW. A Statement on the gross/technical potential, and percentage of potential tapped, is given in the Annexure.

(b): Wind power projects are mainly being set up, including the western coast, as commercial projects through private investments. Various fiscal and promotional incentives and soft loans are available, and attractive policies have been announced by the potential States for power generated from these projects. Wind turbines with state-of-the-art technology are being manufactured in the country under licensed production/joint ventures.

(c): Commercial wind power projects aggregating to 97 MW capacity are under execution in four States, and another 136 MW capacity is under different stages of planning and implementation in those States. Wind power projects are cleared by the respective State Electricity Boards and State Governments.

(d): Demonstration projects of 57 MW aggregate capacity have already been installed by State Govts/State Electricity Boards in eight States. National Thermal Power Corporation are planning two 20 MW wind power projects in Tamil Nadu and Karnataka. National Hydroelectric Power Corporation are also planning a 25 MW wind power project in Tamil Nadu.

Annexure referred to in reply to part (a) of Rajya Sabha Unstarred Question No.1830 for 03.08.2000 regarding Wind Power Potential.

State-wise Gross/Technical Wind Power Potential and Potential Tapped

S.No.	State	Gross Potential (MW)	Technical Potential (MW)	Percentage of Technical Potential Tapped
1.	Andhra Pradesh	2200	1240	7.1
2.	Gujarat	3100	1450	11.5
3.	Karnataka	4120	875	3.9
4.	Madhya Pradesh	3000	875	2.6
5.	Maharashtra	1920	1920	4.1
6.	Orissa	840	400	-
7	Rajasthan	1210	500	0.4

8. Tamil Nadu 900 900 85.6

9. Others 2710 560 0.6